

<110> Bazan, J. Fernando

<120> Mammalian Cytokines; Related Reagents and Methods

<130> DX0903K

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<170> PatentIn Ver. 2.0

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<221> misc_feature

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<223> nucleotide may be A, C, G, or T

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cta tat gtt ctg tca gtt tct ttc agg aaa atc ttc atc tta caa ctt 100
Leu Tyr Val Leu Ser Val Ser Phe Arg Lys Ile Phe Ile Leu Gln Leu
      -20                        -15                        -10

gta ggg ctg gtg tta act tac gac ttc act aac tgt gac ttt gag aag 148
Val Gly Leu Val Leu Thr Tyr Asp Phe Thr Asn Cys Asp Phe Glu Lys
      -5                        -1 1                        5 10

att aaa gca gcc tat ctc agt act att tct aaa gac ctg att aca tat 196
Ile Lys Ala Ala Tyr Leu Ser Thr Ile Ser Lys Asp Leu Ile Thr Tyr
                15                        20                        25

atg agt ggg acc aaa agt acc gag ttc aac aac acc gtc tct tgt agc 244
Met Ser Gly Thr Lys Ser Thr Glu Phe Asn Asn Thr Val Ser Cys Ser
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aat cgg cca cat tgc ctt act gaa atc cag agc cta acc ttc aat ccc 292
Asn Arg Pro His Cys Leu Thr Glu Ile Gln Ser Leu Thr Phe Asn Pro
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aac cgc cgn gtg cgg tgc ctc gcc aaa gaa atg ttc gcc atg aaa act 340
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Asn	Arg	Xaa	Val	Arg	Ser	Leu	Ala	Lys	Glu	Met	Phe	Ala	Met	Lys	Thr	
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aag	gct	gcc	tta	gct	atc	tgg	tgc	cca	ggc	tat	tcg	gaa	act	cag	ata	388
Lys	Ala	Ala	Leu	Ala	Ile	Trp	Cys	Pro	Gly	Tyr	Ser	Glu	Thr	Gln	Ile	
75					80					85	.				90	
aat	gct	act	cag	gca	atg	aag	aag	agg	aga	aaa	agg	aaa	gtc	aca	acc	436
Asn	Ala	Thr	Gln	Ala	Met	Lys	Lys	Arg	Arg	Lys	Arg	Lys	Val	Thr	Thr	
				95					100					105		
aat	aaa	tgt	ctg	gaa	caa	gtg	tca	caa	tta	aa						468
Asn	Lys	Cys	Leu	Glu	Gln	Val	Ser	Gln	Leu							
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atc	ttc	atc	tta	caa	ctt	gta	ggg	ctg	gtg	tta	act	tac	gac	ttc	act	96
Ile	Phe	Ile	Leu	Gln	Leu	Val	Gly	Leu	Val	Leu	Thr	Tyr	Asp	Phe	Thr	
		-10					-5				-1	1				

aac	tgt	gac	ttt	gag	aag	att	aaa	gca	gcc	tat	ctc	agt	act	att	tct	144
Asn	Cys	Asp	Phe	Glu	Lys	Ile	Lys	Ala	Ala	Tyr	Leu	Ser	Thr	Ile	Ser	
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aaa	gac	ctg	att	aca	tat	atg	agt	ggg	acc	aaa	agt	acc	gag	ttc	aac	192
Lys	Asp	Leu	Ile	Thr	Tyr	Met	Ser	Gly	Thr	Lys	Ser	Thr	Glu	Phe	Asn	
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aac	acc	gtc	tct	tgt	agc	aat	cgg	cca	cat	tgc	ctt	act	gaa	atc	cag	240
Asn	Thr	Val	Ser	Cys	Ser	Asn	Arg	Pro	His	Cys	Leu	Thr	Glu	Ile	Gln	
			40					45						50		

agc	cta	acc	ttc	aat	ccc	acc	gcc	ggc	tgc	gcg	tcg	ctc	gcc	aaa	gaa	288
Ser	Leu	Thr	Phe	Asn	Pro	Thr	Ala	Gly	Cys	Ala	Ser	Leu	Ala	Lys	Glu	
		55					60					65				

atg	ttc	gcc	atg	aaa	act	aag	gct	gcc	tta	gct	atc	tgg	tgc	cca	ggc	336
Met	Phe	Ala	Met	Lys	Thr	Lys	Ala	Ala	Leu	Ala	Ile	Trp	Cys	Pro	Gly	
	70					75					80					

tat	tcg	gaa	act	cag	ata	aat	gct	act	cag	gca	atg	aag	aag	agg	aga	384
Tyr	Ser	Glu	Thr	Gln	Ile	Asn	Ala	Thr	Gln	Ala	Met	Lys	Lys	Arg	Arg	
85					90					95					100	

aaa	agg	aaa	gtc	aca	acc	aat	aaa	tgt	ctg	gaa	caa	gtg	tca	caa	tta	432
Lys	Arg	Lys	Val	Thr	Thr	Asn	Lys	Cys	Leu	Glu	Gln	Val	Ser	Gln	Leu	
				105					110					115		

caa	gga	ttg	tgg	cgt	cgc	ttc	aat	cga	cct	tta	ctg	aaa	caa	cag	taa	480
Gln	Gly	Leu	Trp	Arg	Arg	Phe	Asn	Arg	Pro	Leu	Leu	Lys	Gln	Gln		
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		-10					-5				-1	1			

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Leu Val Leu Leu Pro Val Ala Ser Ser Asp Cys Asp Ile Glu Gly Lys	20	25	30
Asp Gly Lys Gln Tyr Glu Ser Val Leu Met Val Ser Ile Asp Gln Leu	35	40	45
Leu Asp Ser Met Lys Glu Ile Gly Ser Asn Cys Leu Asn Asn Glu Phe	50	55	60
Asn Phe Phe Lys Arg His Ile Cys Asp Ala Asn Lys Glu Gly Met Phe	65	70	75
Leu Phe Arg Ala Ala Arg Lys Leu Arg Gln Phe Leu Lys Met Asn Ser	85	90	95
Thr Gly Asp Phe Asp Leu His Leu Leu Lys Val Ser Glu Gly Thr Thr	100	105	110
Ile Leu Leu Asn Cys Thr Gly Gln Val Lys Gly Arg Lys Pro Ala Ala	115	120	125
Leu Gly Glu Ala Gln Pro Thr Lys Ser Leu Glu Glu Asn Lys Ser Leu	130	135	140
Lys Glu Gln Lys Lys Leu Asn Asp Leu Cys Phe Leu Lys Arg Leu Leu	145	150	155
Gln Glu Ile Lys Thr Cys Trp Asn Lys Ile Leu Met Gly Thr Lys Glu	165	170	175

His

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Glu Gly Lys Ala Tyr Glu Ser Val Leu Met Ile Ser Ile Asp Glu Leu	35	40	45
Asp Lys Met Thr Gly Thr Asp Ser Asn Cys Pro Asn Asn Glu Pro Asn	50	55	60
Phe Phe Arg Lys His Val Cys Asp Asp Thr Lys Glu Ala Ala Phe Leu	65	70	75
Asn Arg Ala Ala Arg Lys Leu Lys Gln Phe Leu Lys Met Asn Ile Ser			

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Cys Trp Asn Lys Ile Leu Lys Gly Ser Ile
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Asp Gly Lys Ala Phe Gly Ser Val Leu Met Ile Ser Ile Asn Gln Leu
35 40 45

Asp Lys Met Thr Gly Thr Asp Ser Asp Cys Pro Asn Asn Glu Pro Asn
50 55 60

Phe Phe Lys Lys His Leu Cys Asp Asp Thr Lys Glu Ala Ala Phe Leu
65 70 75 80

Asn Arg Ala Ala Arg Lys Leu Arg Gln Phe Leu Lys Met Asn Ile Ser
85 90 95

Glu Glu Phe Asn Asp His Leu Leu Arg Val Ser Asp Gly Thr Gln Thr
100 105 110

Leu Val Asn Cys Thr Ser Lys Glu Glu Lys Thr Ile Lys Glu Gln Lys
115 120 125

Lys Asn Asp Pro Cys Phe Leu Lys Arg Leu Leu Arg Glu Ile Lys Thr
130 135 140

Cys Trp Asn Lys Ile Leu Lys Gly Ser Ile
145 150

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